"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

VYSOTSKAYA,N.N.; IERUSALIMSKIY,A.M.; NEVEL'SON,R.A.; FEDORENKO,V.A.; GOFMAN,Ye.K., redaktor; PUGACHEV,A.A., inzhener, retsenzent; POL'SKAYA,R.G., tekhnicheskiy redaktor

[Technical projections for articles made of sheet metal] Tekhnicheskie razvertki izdelii iz listovogo materiala. Pod obshchei red. A.M.Ierusalimskogo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 230 p. (MLRA 9:1)
(Sheet-metal work)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEVA, A. B.

"Electron Converter for the Measurement of Ionization Currents"

paper presented at the All-Union Seminar on the Application of Radioactive Isotopes in Measurements and Instrument Building, Frunze (Kirgiz SSR), June 1961)

So: Atomnaya Energiya, Vol 11, No 5, Nov 61, pp 468-470

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

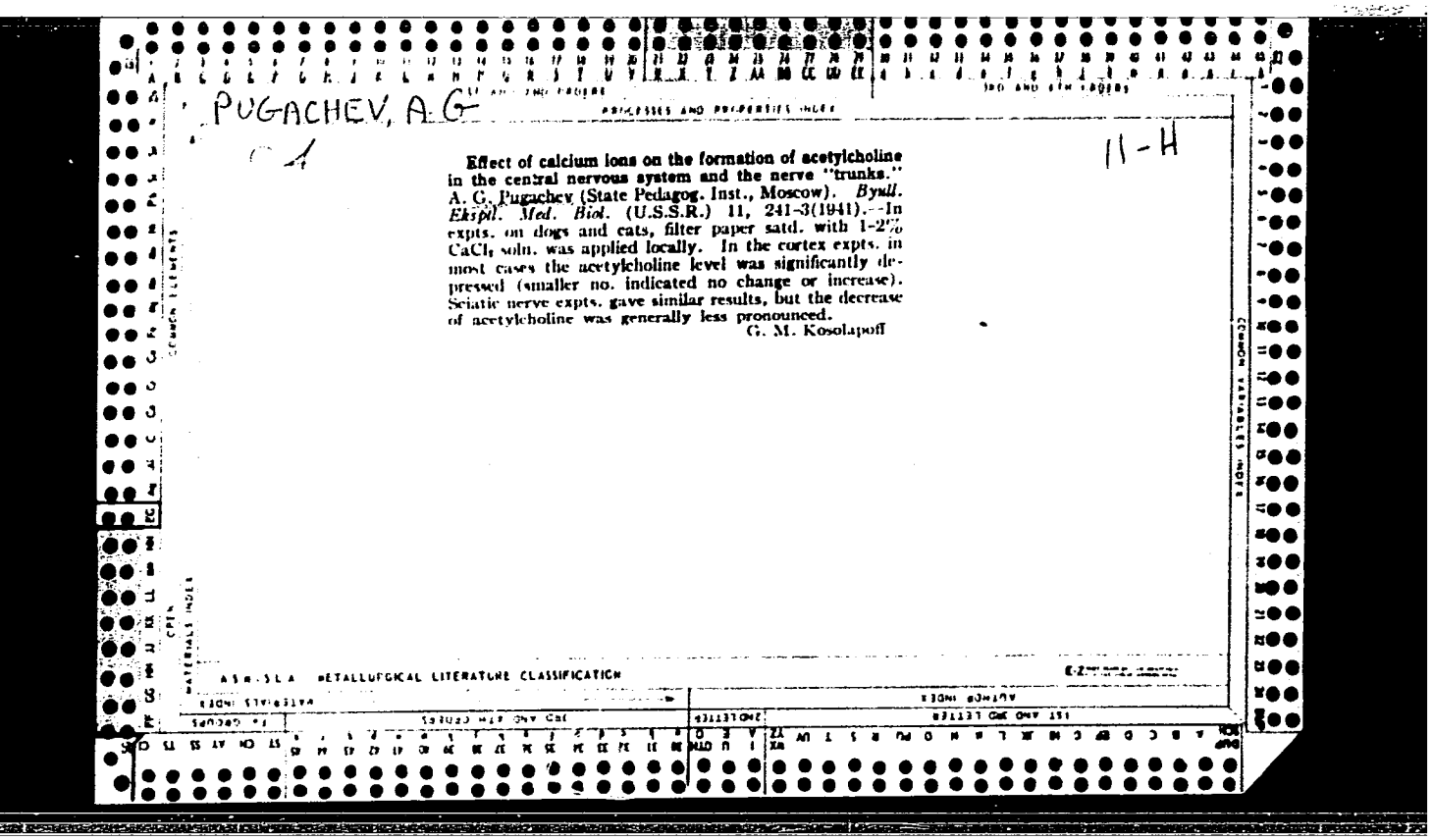
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.F.

Terrace method of reinforcing dike embankments. Avt.dor. 22 no.6:28 Je '59. (MIRA 12:9)
(Dikes(Engineering)) (Embankments)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7



PUGACHEV, A.G

11-H

Effect of calcium ions on the formation of acetylcholine in the central nervous system and the nerve "trunks." A. G. Pugachev (State Pedagog. Inst., Moscow). *Byull. Eksptl. Med. Biol.* (U.S.S.R.) 11, 241-3(1941).—In expts. on dogs and cats, filter paper satd. with 1-2% $CaCl_2$ soln. was applied locally. In the cortex expts. in most cases the acetylcholine level was significantly depressed (smaller no. indicated no change or increase). Sciatic nerve expts. gave similar results, but the decrease of acetylcholine was generally less pronounced.
G. M. Kosolapoff

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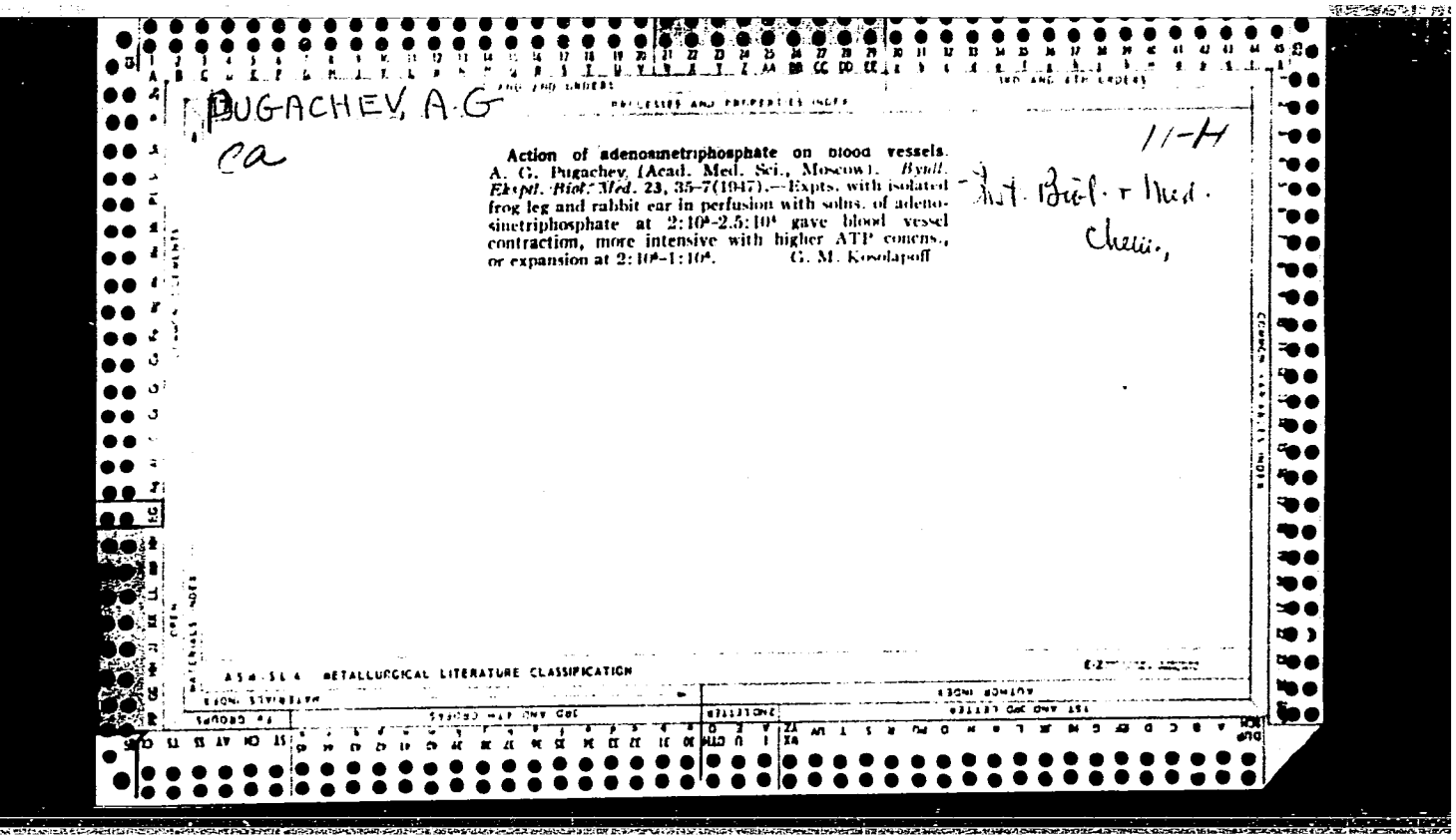

BUGACHEV, A.G

ca

11-H

Action of adenosinetriphosphate on blood vessels. A. G. Bugachev. (Acad. Med. Sci., Moscow). *Bynll. Eksptl. Biol. Med.* 23, 35–7(1947).—Expts. with isolated frog leg and rabbit ear in perfusion with solns. of adenosinetriphosphate at 2:10⁸–2.5:10⁸ gave blood vessel contraction, more intensive with higher ATP concns., or expansion at 2:10⁸–1:10⁸. G. M. Kosolapoff

Biol. + Med. Chem.,

A 5 4 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A. G.

USSR/Medicine - Heart Jun 1948
Medicine - Adenosin

"The Effect of Adenosintriphosphoric Acid on the Activity of the Isolated Mammalian Heart," Y.e. B. Babskiy, A. G. Pugachev, Inst of Bio & Med Chem, Acad Med Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 7

Reports of previous investigations are contradictory. Present 30 experiments performed on hearts of rabbits and guinea pigs isolated by Langendorf's method. Perfusion of the heart was done in Ringer-Locke's solution, and the drug administered by injection. Results show that adenosin is powerful stimulant, acting on both muscle and cornonary sulcus. Submitted 29 Mar 1948.

PA76T87

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G.

Primary tendon suture of the hand and fingers in children. Khirurgiia 32 no.10:66-70 O '56 (MIRA 12:7)

1. Iz kliniki detskoy khirurgrii (zav. - prof. S.D. Ternovskiy) II Moskovskogo meditsinskogo instituta imeni I.V. Stalina.
(HAND, surg.
of tendons in child, primary suture)
(FINGERS, surg.
same)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G. Cand Med Sci -- (diss) "Injuries to the tendons of the ~~hand~~ wrist and the fingers in children and ~~their~~ the treatment of them." Mos, 1957. 19 pp 19 cm. (2nd Mos State Med Inst im I.V, Stalin). 200 copies. (KL, 23-57, 117)

~~-1371-~~
129

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G.

Secondary stuture in injuries of hand and finger tendons in children. Ortop.travm. i protez. 18 no.4:10-14 Jl-Ag '57. (MIRA 11:1)

1. Iz kliniki detskoy khirurgii (zav. - prof. S.D.Ternovskiy) 2-go Moskovskogo meditsinskogo instituta (dir. - prof. O.V.Kerbikov) na baze Detskoy klinicheskoy bol'nitsy im. prof. Filatova (glavnyy vrach - M.N.Kalugina)

(TENDONS, wounds and inj.
hand & finger tendons in child., surg., secondary suture)

(HAND, wounds and inj.
tendon inj. in child., surg., secondary stuture)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

ISAKOV, Yu.F., kand.med.nauk; PUGACHEV, A.G., kand.med.nauk

Use of neuroplegic drugs in the treatment of children.
Vop. okh. mat. i det. 3 no.5:44-49 S-O '58 (MIRA 11:11)

1. Iz kliniki detskoy khirurgii (zav. - chlen-korrespondent AMN SSSR zaslyzhenyy deyatel' nauki prof. S.D. Ternovskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(AUTONOMIC DRUGS)
(CHILDREN--DISEASES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

TERNOVSKIY, S.D., ISAKOV, Yu.F.,kand.med.nauk., PUGACHEV, A.G., kand.med.anuk

Use of neuroplegic substances in pediatric surgery. Vest.AMN SSSR 13 no.11:11-16 '58 (MIRA 11:12)

1. Chlen-korrespondent AMN SSSR (for Ternovskiy).
(PEDIATRICS, surg.
use of CNS depressants in pediatric surg. (Rus))
(CENTRAL NERVOUS SYSTEM, eff. of drugs on
depressants, use in pediatric surg. (Rus))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G. (Moskva)

Primary suture with fixation of the central terminal in injuries of the tendons of the hand and finger flexors in children. Eksp. khir. 4 no.3:49 My-Je '59. (MIRA 12:8)
(TENDONS--SURGERY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Anatoliy Georgiyevich

[Injury to the tendons of the hand and fingers and their treatment in children] Povrezhdenie sukhozhilii kisti i pal'tsev i ikh lechenie u detei. Moskva, Medgiz, 1960. 93 p. (MIRA 13:12)

(TENDONS--INJURIES AND RUPTURES)
(HAND--WOUNDS AND INJURIES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

ISAKOV, Yu.F.; PUGACHEV, A.G.

Use of potentiated anesthesia in pediatric surgery. Khirurgiia 36 no.7:55-60 Je '60. (MIRA 13:12)
(CHILDREN--SURGERY) (HIBERNATION, ARTIFICIAL)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

FUGACHEV, A.G., kand.med.nauk; TIKHONOV, Yu.A.

Conservative treatment of invagination in children. Vest.khir. 85 no.11:53-58 N '60. (MIRA 14:2)

1. Iz kliniki detskoy khirurgii (zav. - prof. S.D. Ternovskiy) 2-go Moskovskogo meditsinskogo instituta im. Pirogova na baze detskoy klinicheskoy bol'nitsy im. Filatova (glavnyy vrach - L.A. Vorokhobov).
(INTESTINES--INTUSSUSCEPTION) (CHILDREN--SURGERY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

[illegible], A. B.; RESHETNIKOVA, A.D.; FADEYEVA, M.A.; YESIKOV, M.S.; FILIPPOVA-NUTRIKHINA, Z.L. and KOLTUNOV, A.G.

"Materials on the Diagnosis of Toxoplasmosis in Children"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis, Moscow, 3-5 April 1961, publ, by Inst Epidemiology and Microbiology im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

TERNOVSKIY, S.D., prof. [deceased]; PUGACHEV, A.G., kand.med.nauk

Diagnosis of congenital and acquired surgical diseases in newborn infants and the terms of their treatment. Akush.i gin. 37 no.1:3-17 '61. (MIRA 14:6)

1. Iz kafedry detskoy khirurgii II Moskovskogo meditsinskogo instituta imeni N.I. Piragova. 2. Chlen-korrespondent AMN SSSR (for Ternovskiy).
(DEFORMITIES) (INFANTS (NEWBORN)--SURGERY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G.

"Invagination of the intestines in childhood" by Kh.I. Fel'dman. Reviewed by A.G. Pugachev. Vop. okh. mat. i det. 6 no.12:83-84 D '61. (MIRA 15:3)

(INTESTINES--INTUSSUSCEPTION)
(FEL'DMAN, Kh.I.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G.; CHERDYNTSEV, S.G.

Effect of conditioned reflex activity on the function of the thyroid gland in normal and diseased rabbits. Uch. zap. TGPI 20:15-25 '61. (MIRA 15:7)
(Thyroid gland) (Conditioned response)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G.; KREZOVSKAYA, N.O.

Intestinal obstruction in newborn infants and nursing children caused by incomplete volvulus. Vop. okh. mat. i det. 6 no.12:17-23 D '61. (MIRA 15:3)

1. Iz kafedry detskoy khirurgii II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova (ispolnyayushchiy obyazannosti zaveduyushchego A.Ye. Zvyagintsev) i rentgenologicheskogo otdeleniya bol'nitsy imeni N.F. Filatova (glavnyy vrach L.A. Vorokhobov).

(INTESTINES--OBSTRUCTIONS)
(INFANTS--DISEASES)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G., kand. med. nauk; GAVRYUSHOV, V.V.

Use of polychloroethylene tubes for long-lasting intravenous infusion in newborn and breast-fed infants. Klin. khir. no.10: 77 O '62. (MIRA 16:7)

1. Kafedra khirurgii detskogo vozrasta (zav.- chlen-korrespondent AMN SSSR, zasl. deyatel' nauki RSFSR, prof. S.D. Ternovskiy [deceased]) 2-go Moskovskogo meditsinskogo instituta imeni N.I. Pirogova na baze bol'nitsy imeni Filatova.
(PEDIATRICS) (INJECTIONS, INTRAVENOUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

RESHETNIKOVA, A.D.; FADEYEVA, M.A.; FILIPPOVA-NUTRIKHINA, Z.L.; YESIKOV, M.S.; KOLUTNOV, M.V.; PUGACHEV, A.G.

Diagnosis of toxoplasmosis in children. Sov.med. 25 no.1:47-50 Ja '62. (MIRA 15:4)

1. Iz kafedry gospital'noy pediatrii II Moskovskogo meditsinskogo instituta (zav. - prof. K.F.Popov) i kafedry detskoy khirurgii (zav. - prof. S.D.Ternovskiy).
(TOXOPLASMOSIS)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A. G., kand. med. nauk; GAVRYUSHOV, V. V.

Preoperative preparation and the management of the postoperative period of newborn infants. Khirurgiia no.6:23-28 Je '62. (MIRA 15:7)

1. Iz kafedry detskoy khirurgii (i. o. zav. - dotsent A. Ye. Zvyagintsev) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova na baze Detskoy bol'nitsy imeni N. F. Filatova (glavnyy vrach L. A. Vorokhobov)

(INFANTS(NEWBORN)) (POSTOPERATIVE CARE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

VOROKHOBOV, L. A.; PUGACHEV, A. G., kand. med. nauk

Surgical treatment of atresia of the anus and rectum in newborn infants. Khirurgiia no.6:33-38 Je '62. (MIRA 15:7)

(ANUS--ABNORMITIES AND DEFORMITIES)
(RECTUM--ABNORMITIES AND DEFORMITIES)
(INFANTS(NEWBORN))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

VOROBOCHOV, L.A.; PUGACEV, A.G.

The procedure and surgical technics in the treatment of atresia of the anus and rectum in newborn infants. Vozhl. chir. 41 no.3: 219-223 Mr '62.

1. Klinika detske chirurgie Lekarskeho institutu N.I.Pirogova, Moskva.

(ANUS abnorm) (RECTUM abnorm)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G., kand. med. nauk; KRIZOVSKAYA, N.I.; MALININA. L.I.

Clinical Xpray data in incomplete intestinal version. Pediatriia 42 no.3:25-30 Mr'63 (MIRA 17:2)

1. Iz khirurgicheskogo otdeleniya (zav. - kand. med. nauk A.G. Pugachev; nauchnyy konsul'tant - prof. S. Ya. Doletskiy) Instituta pediatrii (dir. M. Ya. Studenikin) AMN SSSR i Detskoy gorodskoy klinicheskoy bol'nitsy No.13 imeni N.F. Filatova (glavnyy vrach L.A.Vorokhobov), Moskva.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.G., kand. med. nauk; GAVRYUSHOV, V.V.

Timing the surgical treatment of teratomas of the sacrococcygeal region in infants. Akush. i gin. no.6:57-60 N-D '63.

(MIRA 17:12)

1. Iz kafedry detskoy khirurgii (zav. - prof. I.K.Murashov) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova na baze detskoy klinicheskoy bol'nitsy imeni N.F.Filatova (glavnyy vrach L.A.Vorokhobov).

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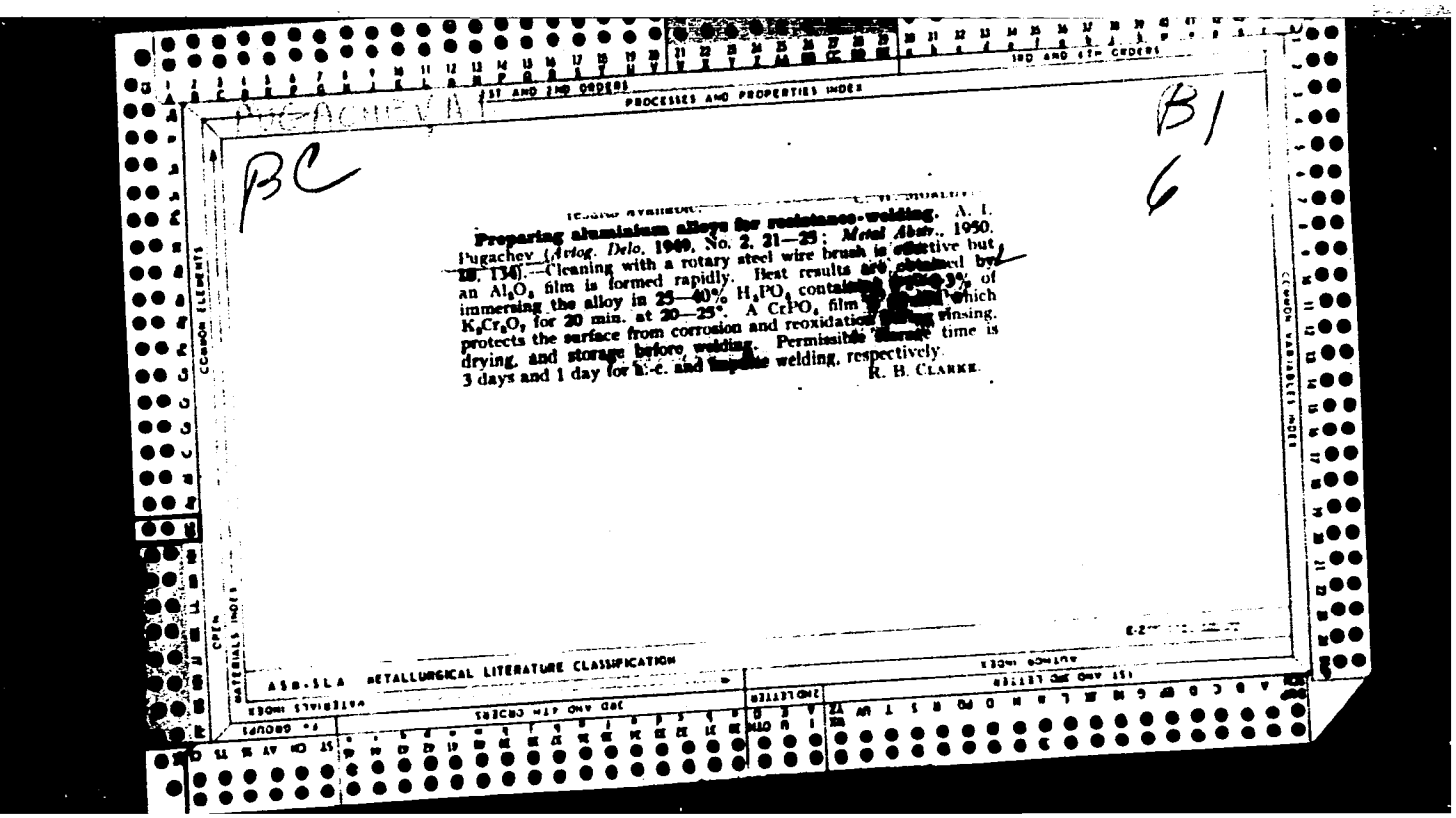

PROCESSES AND PROPERTIES INDEX

BC

B1

6

Preparing aluminium alloys for resistance-welding. A. I. Pugachev (*Avtog. Delo*, 1949, No. 2, 21—23; *Metal Abstr.*, 1950, 17, 134).—Cleaning with a rotary steel wire brush is effective but an Al_2O_3 film is formed rapidly. Heat results are obtained by immersing the alloy in 25—40% H_3PO_4 containing 2—3% of $K_2Cr_2O_7$ for 20 min. at 20—25°. A $CrPO_4$ film which protects the surface from corrosion and reoxidation rinsing, drying, and storage before welding. Permissible time is 3 days and 1 day for h.-c. and welding, respectively.

R. B. CLARKE.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

USSR/Engineering - Welding, Preparation Feb 50
Aluminum, Alloys

"Technology of Preparing Aluminum Alloys for Resistance Welding," A. I. Pugachev, Engr, 4 pp

"Avtogen Delo" No 2

Analyzes several methods for processing surface of aluminum alloys before resistance welding. Concludes best results in chemical processing of surface may be attained by using aqueous solution of orthophosphoric acid and potassium bichromate. This etchant is especially convenient in mass production because it insures good stability in strength of welded joints and

160T20

USSR/Engineering - Welding, Preparation (Contd) Feb 50

permits storage of parts between preparation and welding up to 3 days for AC machines and up to 24 hours for impulse machines.

160T20

PUGACHEV, A. I.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

KORDVINTSEV, Leonid Aleksandrovich; PUGACHEV, A.I., kandidat tekhnicheskikh nauk, redaktor; KUZ'MITSOVA, A.G., izdatel'skiy redaktor; PUKHLIKOVA, N.A., tekhnicheskiy redaktor

[Welding and soldering technology; a practical manual for builders and technologists] Tekhnologiia svarki i paiki; prakticheskoe posobie dlia konstruktorov i tekhnologov. Moskva, Gos. izd-vo oborn. promyshl., 1957. 147 p. (MLRA 10:11)
(Welding) (Solder and soldering)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

Pugachev, A.I.

135-6-9/13

SUBJECT: USSR/Welding

AUTHOR: Pugachev, A.I., Candidate of Technical Sciences.

TITLE: Contact Butt Welding of Rings of Alloy Steels and Nichrome. (Kontaktnaya stykovaya svarka kolets iz legirovannykh staley i nikhroma).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 6, pp 20-24, (USSR)

ABSTRACT: Until now, circular blanks for aircraft jet engines were produced of heat-resistant steel by free forging and subsequent rolling of the blanks on a tire-rolling-mill. The method of producing such blanks by bending and butt-welding hot-rolled profiles whose sections are close to the finished parts gives up to 70 % economy in metal and cuts machining operations over 40 %. The article describes the experimental work carried out with the purpose to develope the new technology.

The blanks were produced on a 1000 kva butt-welding machine designed for welding rings (1). The rings were made of the following materials: "1Х18Н9Т", "ЭИ-435", "30ХГСА","ЭИ268", "ЭИ481", the chemical composition of which is specified in the article. Detailed welding technology, behaviour of metal in

Card 1/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

TITLE: Contact Butt Welding of Rings of Alloy Steels and Nichrome. (Kontaktnaya stykovaya svarka kolets iz legirovannykh staley i nikhroma).

tests, mechanical properties, and the shape of test specimens are described. The welding conditions chosen as a result of the investigation are presented in form of a table.

It has been stated that the resistance limit in all five tested materials, welded with preheating to rings of 400 to 2000 mm in diameter and 800 to 3000 mm^2 section, was not below 90 % of the base metal. The formability of welded joints was lower than that of the base metal, particularly in high-resistance steels "30ХГСА" and "ЭИ268". The fatigue resistance of weld joints was 5-10 % below that of the base metal, apparently due to considerably heterogeneous grain. Notch sensitivity was equal, or even less than that of the base metal. The short-duration strength at high temperatures was not over 15 % below that of the base metal under similar conditions, and the long-duration strength -measured by the test time until breakdown- did not fall below 20 % that of the base metal. It is recommended to inspect joints by extending the rings to 4-5 % as well as by mechanical testing of single joints and by investigating their

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

135-6-9/13

TITLE: Contact Butt Welding of Rings of Alloy Steels and Nichrome. (Kontaktnaya stykovaya svarka kolets iz legirovannykh staley i nikhroma).

structure.

The co-workers in subject research work were the following persons: Candidate of Technical Sciences S.L. Shukov, Engineer G.I. Konyayev, Engineer M.K. Zaburdin, and Engineer I.F. Terekhov.

The article contains 6 tables, 3 diagrams, 2 drawings, 1 micro-photograph, 1 macro-photograph, and 3 references (all of which are Russian).

ASSOCIATION: "VIAM".

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 3/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

L 46981-66 EWP(k)/EWT(m)/T/EWP(v)/EWP(t)/ETI IJP(c) JH/JD/HM

ACC NR: AT6024917 (A,N) SOURCE CODE: UR/2981/66/000/004/0078/0084

AUTHOR: Pugachev, A. I.; Pastukh, M. N.

36
B+1

ORG: none

TITLE: Resistance welding of VAD23 alloy

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 78-84

TOPIC TAGS: resistance welding, spot welding, seam welding, aluminum alloy / VAD23 aluminum alloy

ABSTRACT: VAD23 alloy in the naturally aged state was found to weld satisfactorily by resistance spot and seam welding. The welding conditions are similar to those employed in welding D16AT alloy. The mechanical properties of spot and seam weld joints on VAD23 in the naturally aged state are somewhat better than those obtained on the same type of joints on D16AT. The breaking shear and separation load and also the plasticity coefficient in sheets 2 mm thick in joints of VAD23 are 10-15% higher than in joints of D16AT. VAD23 in the artificially aged state welds much worse by contact spot and seam welding than in the naturally aged state because of the lower deformation capacity of VAD23 at room and welding temperature. The weldability decreases rapidly as the sheet thickness increases. In order to improve the weldability of VAD23, a computational method was used for the first time to determine the parameters of the process.

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L 46981-66
ACC NR: AT6024917

This method made it possible to establish the relationship between the mechanical welding cycle and the initial properties of the material being welded, which change during heating. The mechanical properties of spot-welded joints obtained on VAD23 in the artificially aged state displayed a satisfactory stability. Orig. art. has: 5 tables.

SUB CODE: 11/ SUBM DATE: none

Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

S/137/62/000/005/139/155
A052/A101

AUTHORS: Pugachev, A. I., Chirkov, Ye. F.

TITLE: Spot welding M 40 (M40) alloy

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 45, abstract 5E239 (V sb. "Deformiruyemyye alyumin. splavy". Moscow, Oborongiz, 1961, 164 - 173)

TEXT: When M40 alloy was introduced in the industry the task was set to investigate its weldability, to work out welding conditions and to determine the strength characteristics of joints. M40 alloy in the state after hardening at 500°C and 10 hour artificial aging at 200°C has σ_b = 40 kg/mm^2 at δ = 8%. The welding was carried out on MTYM -600 (MTP-600) machine and on PMO0 -505 (PMO0-585) electromagnetic machine. It is established that for hardened plated sheets 2 mm thick a high electrode reduction pressure (≈4,000 kg) is necessary which enables one to overcome completely the elastic resistance of sheets at reduction and to eliminate splashes and other welding defects. The welding pressure must be as low as possible (0.15 - 0.20 of the electrode reduction pressure)

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S/137/62/000/005/139/150
A052/A101

Spot welding M40 (M40) alloy

and the welding current pulse as stable as possible (≤ 0.2 sec.). The forging pressure must exceed the welding pressure by a factor of 6 - 7. The recommended welding conditions on MTIP-600 machine for various states of the alloy are summarized in the table 1 and those for the artificially aged state at sheets of different thicknesses in the table 2. High mechanical properties of spot joints are the essential advantage of M40 alloy. Compared with other alloys of its group it is considerably less liable to the thermal softening, pore and crack formation.

Ye. Terpugov.

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S/137/62/000/005/139/150
A052/A101

Spot welding 40 (M40) alloy

Table 1. Spot welding conditions for sheets 2.0 + 2.0 mm thick

State of alloy after heat treatment	Force on electrodes, kg: Compression	Welding	Forging	Welding current, a	Welding time, sec	Forging pressure delay, sec
Annealed	3,500	600	3,500	50,000	0.20	0.10
Hardened	4,000	700	3,000	45,000	0.20	0.10
Artificially aged (150°C-10 hours)	4,500	750	4,500	40,000	0.20	0.10
Artificially aged (200°C-10 hours)	5,000	800	5,000	40,000	0.20	0.10
Hardened, cold hardened and artificially aged	6,000	900	6,000	40,000	0.20	0.10

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Spot welding 40 (M40) alloy

Table 2. Spot welding conditions for plated M40 AT1 sheets in artificially aged state (150°C - 10 hours)

Thickness of welded sheets, mm	Electrode sphere radius, mm	Force on electrodes, kg			Welding current, a	Welding time, sec	Forging pressure delay, sec
		Compression	Welding	Forging			
1.5 + 1.5	75	3,500	600	3,500	40,000	0.15	0.06
2.0 + 2.0	75	4,000	700	4,000	45,000	0.20	0.10
3.0 + 3.0	100	5,000	850	5,000	55,000	0.25	0.15
4.0 + 4.0	150	6,000	1,000	6,000	70,000	0.30	0.20

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

S/[illegible]/61/000/000/022/02[illegible]
D299/D303

AUTHORS: Pugachev, A.I., and Chirkov, Ye.P.

TITLE: Point welding of the [illegible]40 (M40) alloy

SOURCE: Fridlyander, I.N., V.I. Dobatkin, and Ye.D. Zakharov, eds. Deformiruyemyye alyuminiyevyye splavy; sbornik statey. Moscow, 1961, 164 - 172

TEXT: In the implementation of the M40 alloy, it proved necessary to use point welding. The aim of this work is evaluation of the weldability of the alloy, the welding regimes and the mechanical properties of welded articles. Thermally treated and cold-worked plated sheets were welded on low-frequency [illegible]-600 (MTIP-600) and electromagnetic [illegible]-5[illegible]5 (RMSO-5S5) welding machines. As the result of the tests, optimal parameters for sheets 2.0 mm thick were determined. Weldability of the alloy at the optimum regimes of welding is satisfactory. The welding procedures for the M40 alloy differ from those for other aluminum alloys in the high ratio between the welding and forging pressures. The welded points of M40 have high tensile and shearing strengths

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Point welding of the M 40 (M40) alloy S/080/61/000/003/022/030
D205/D303

(1.5 as much as other aluminum alloys). In addition, the alloy possesses a high resistance to thermal weakening and crack formation. To obtain good quality welds, 'hard' regimes are to be employed, i.e. the duration of the welding current passage is to be as short as possible. It is preferable to weld M40 cold-worked sheets in the non-plated state. There are 3 figures, 6 tables and 4 Soviet-bloc references.

Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

SMIRNOV, Nikolay Nikolayevich; PUGACHEV, A.I., kand. tekhn. nauk, retsenzent; FRIDMAN, V.G., inzh., red.; GRIGORASH, K.I., red.; NOVIK, A.Ya., tekhn. red.

[Operational engineering efficiency of airplane structures] Ekspluatatsionnaia tekhnologichnost' samoletnykh konstruktsii. Moskva, Oborongiz, 1963. 123 p. (MIRA 17:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., agronom

The AU-4 attachment to potato planters. Zemledelie 26 no.5:95 My '64. (MIRA 17:6)

1. TSentral'naya mashinoispytatel'naya stantsiya.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.; SERGEYEV, V.V.

The SKVD-6 double-disk sowing apparatus for corn planters.
Trakt. i sel'khozmash. 33 no.4:32-33 Ap '63. (MIRA 16:10)

1. TSentral'naya mashinoispytatel'naya stantsiya.
(Planters (Agricultural machinery))
(Corn (Maize))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

VERESHCHAGIN, N.I.; PUGACHEV, A.N.; PSHECHENKOV, K.A.; CHERNIKOV, B.P.

Machines tested at the Central Machinery Testing Station. Trakt. sel'khozmash. 33 no.6:39-40 Je '63. (MIRA 16:7)

1. TSentral'naya mashinoispytatel'naya stantsiya.
(Agricultural machinery)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

CHERNYSHOV, B.P.; BOGDANOV, V.M.; PUGACHEV, A.N.

Machines for the placement of mineral fertilizers. Trakt. i sel'khozmash. no.6:39-40 Je '65. (MIRA 18:7)

1. TSentral'naya mashinoispytatel'naya stantsiya.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.

The E-066 silage harvesting combine. Trakt. i sel'khozmash. no.6; 46-47 Je '65. (MIRA 18:7)

1. TSentral'naya mashinoispytatel'naya stantsiya.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., agronom.

The ZhRSh-4,5 hip-type harvester. Zemledelie 25 no.6:58-61 Je '63. (MIRA 16:7)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob"yedineniya Soveta Ministrov SSSR po prodazhe sel'skokhozyaystvennoy tekhniki, zapasnykh chastey, mineral'nykh udobreniy i drugikh material'no-tekhnicheskikh sredstv, organizatsii remonta i ispol'zovaniya mashin v kolkhozakh i sovkhozakh. (Harvesting machinery)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

LAVROV, A.A.; PUGACHEV, A.N.

The ZhRSh-4,5 hip-type harvester. Trakt. i sel'khozmash. 33 no.2:27 F '63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya (for Lavrov). 2. TSentral'naya mashinoispytatel'naya stantsiya (for Pugachev).

(Grain--Harvesting)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., agronom

The SSh-45 self-propelled chassis with an aggregate of mounted machines. Zemledelie 25 no.1:47-53 Ja '63. (MIRA 16:4)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob"yedineniya Soveta Ministrov SSSR po prodazhe sel'skokhozyaystvennoy tekhniki, zapasnykh chastey, mineral'nykh udobreniy i drugikh material'no-tekhnicheskikh sredstv, organizatsii remonta i ispol'zovaniya mashin v kolkozakh i sovkhozakh.
(Agricultural machinery)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., agronom; KAVERNIKOV, N., starshiy agronom

Partial damages and quality of grain seeds. Zemledelie 27 no.7: 81-83 Jl '65. (MIRA 18:7)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob"yedineniya "Soyuzsel'khoztekhnika" (for Pugachev).
2. Brestskoye rayonnoye proizvodstvennoye upravleniye sel'skogo khozyaystva (for Kavernikov).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.; BYKOV, V.V.

Vibration chamber of the KPN-2 grain harvesting comgine. Trakt. i sel'khozmash. 31 [1.e.32] no.11:21-22 N '62. (MIRA 15:12)

1. TSentral'naya mashioispytatel'naya stantsiya
(Harvesting machinery)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., agronom

Universal Stokkeland planter. Zemledelie 23 no.11:88-91 N '61.
(MIRA 14:12)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob"yedineniya Soveta Ministrov SSSR "Soyuzsel'khoztekhnika".
(Norway--Planters (Agricultural machinery))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.

Operating drills at increased speed. Zemeledelie 23 no.4:47-50 Ap '60. (MIRA 14:3)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob'yedineniya "Soyuzsel'khoztekhnika".
(Drill(Agricultural impelement)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PSHECHENKOV, K.A.; PUGACHEV, A.N.

Machines for the mechanization of potato growing. Trakt. i sel'khozmash. no.8:40-41 Ag '65. (MIRA 18:10)

1. TSentral'naya mashinoispytatel'naya stantsiya.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., starshiy nauchnyy sotrudnik

Grain with abrasions. IUn. nat. no.7:35 Jl '60. (MIRA 13:8)
(Seed adulteration and inspection)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PSHECHENKOV, K.A.; PUGACHEV, A.N.

A continuous line for sorting, washing, and packaging potatoes.
Trakt.i sel'khozmash. no.8:44-46 Ag '62. (MIRA 15:8)

1. TSentral'naya mashinoispytatel'naya stantsiya.
(Potatoes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.; CHIBISOV, V.I.

New STU-1,9 fertilizer spreader. Trakt. i sel'khozmash. 30 no.6: 28-29 Je '60. (MIRA 13:11)

1. TSentral'naya mashinoispytatel'naya stantsiya.
(Fertilizer spreaders)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N., agronom; AVDEYEV, N.Ye., inzh.

Planter for broadcast sowing. Zemledelie 24 no.3:35-41 Mr '62. (MIRA 15:3)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob"yedineniya Soveta Ministrov SSSR "Soyuzsel'khoztekhnika".
(Planters (Agricultural machinery))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

AVDEYEV, N.Ye.; PUGACHEV, A.N.; PSHECHENKOV, K.A.; CHERNIKOV, B.P.

Machinery tested at the Central Machinery Testing Station. Trakt. i sel'khozmash. 32 no.4:39-41 Ap '62. (MIRA 15:4)
(Agricultural machinery--Testing)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.

Engineering evaluation of the new SZPB-2,0 grain dryer. Zemledelie 8 no.8:48-51 Ag '60. (MIRA 13:8)

1. TSentral'naya mashinoispytatel'naya stantsiya.
(Grain—Drying)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.N.

Mounted universal drill with a centrifugal seeding apparatus.
Trakt.i sel'khozmash. 30 no.2:46-3 of cover F '60.
(MIRA 13:5)

1. TSentral'naya gosudarstvennaya mashinoispytatel'naya stantsiya.
(Drill(Agricultural implement))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

VERESHCHAGIN, N.I.; PUGACHEV, A.N.; PSHECHENKOV, K.A.

One center of potatoes in 30 minutes. Zemledelie 26 no.6:39-52 Je '64. (MIRA 17:8)

1. TSentral'naya mashinoispytatel'naya stantsiya Vsesoyuznogo ob"yedineniya Soveta Ministrov SSSR po prodazhe sel'skokhozyaystvennoy tekhniki, zaspasnykh chastey, mineral'nykh udobreniy i drugikh material'notekhnicheskikh sredstv, organizatsii remonta i ispol'zovaniya mashin v kolkhozakh i sovkhozakh, Solnechnogorskiy rayon, Moskovskoy oblasti.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.P.

New method of burning bricks with coal in floor-type kilns.
Rats. i izobr.predl. v stroi. no.118:37-39 '55.(MLRA 9:7)
(Kilns) (Brickmaking)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; LEBEDEV, V.I., inzh., retsenzent; NESTEROV, P.A., inzh., retsenzent; KORKIN, F.S., dotsent, nauchnyy r[illegible]; SOSIPATROV, O.A., red.; KONTOROVICH, A.I., tekhn. red.

[Developed area of sheet structure elements] Razvertki elementov listovykh konstruktsii. Izd. 2., perer. i dop., Leningrad, Sudpromgiz, 1963. 319 p. (MIRA 16:6)
(Sheet-Metal work) (Shipfitting)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; PENKNOVICH, L.D., nauchnyy red. [deceased]; MISHKEVICH, G.I., red.; FRUMKIN, P.S., tekhn.red.

[Two hundred puzzle problems in mechanical drawing] 200 zadach-golovolomok po chercheniiu. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 127 p. (MIRA 13:4)
(Mechanical drawing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; ANTSELEVICH, A.P., otvetstvennyy redaktor; KONTOROVICH, A.I., tekhnicheskiy redaktor

[The cutting out of sheet metal construction elements] Razvertki elementov listovykh konstruktsii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1956. 215 p. (MLRA 9:11)
(Sheet-metal work)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

LUGACHEV, Aleksandr Sergeyevich; SKIBINSKIY, M.D., inzh., retsenzent; KORAN, F.S., dots., nauchn. red.; SOSIPATROV, O.A., red.

[Standard lettering on mechanical drawings] Nadpisi na chertezhakh standartnym shriftom. Izd.5., perer. i dop. Leningrad, Sudostroenie, 1965. 150 p. (MIRA 18:4)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; SKIBINSKIY, M.D., inzh., retsenzent; KORKIN, F.S., dots., nauchn. red.; LISOK, E.I., red.

[Puzzle problems on mechanical drawing] Zadachi-golovolomki po chercheniiu. Izd.2., perer. i dop. Leningrad, Sudostroenie, 1965. 190 p. (MIRA 18:3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; KORKIN, F.S., nauchnyy red.; SOSIPATROV, O.A., red.; FRUMKIN, P.S., tekhn. red.

[Standard print inscriptions on drawings] Nadpisi na chertezhakh standartnym shriftom. Izd.4., perer. i dop. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 117 p. (MIRA 15:3)

(Mechanical drawing--Study and teaching)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A. S.

Mechanical drawings in ship building Leningrad Gos. izd-vo sudostroit. lit-ry, 1952.
226 p. (53-39903)

VM297.P82

1. Ship-building. 2. Mechanical drawing.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.S., inzhener.

Effect of cooling on the furability of hard-alloy cutting tools used in rapid cutting of 45X steel. Sbor. st. CHPI no.4:5-11 '55. (MLRA 10:6)
(Cutting tools) (Metal-working lubricants)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A. S.

Inscriptions on blueprints with standard types. Izd. 2., inspr. i dop. Leningrad. Gos. soiuznoe izd-vo sudostroit. promyshl., 1955. 66 p. (55-59703)

1. Lettering. 2. Alphabets.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PLGACHEV, Aleksandr Sergeyevich; GAKKEL', A.G., retsenzent; KHOTENKOVA, O.S., retsenzent; KORZHENKO, V.M., retsenzent; SKIBINSKIY, M.D., nauchn. red.; SOSIPATROV, O.A., red.

[Technical drawing] Tekhnicheskoe risovanie. Leningrad, Izd-vo "Sudostroenie," 1964. 143 p. (MIRA 17:6)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A S

N/5
672
.P9

Sudovyye razmetochnyye raboti (Layout work in shipbuilding)
Leningrad, Sudpromgiz, 1953. 155 p. illus., diagrs., tables.
"Literatura": p. (156)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PIRAGNEV, A. S.

A,S
672
.P91

Sbornik zadach po sudostroitel'nomu cherchen iyu (Collection of Problems in Naval Architecture) Leningrad, Sudpromgiz, 1954.
235 p. diagrs., plans, tables.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

BEL'CHUK, G.A.; DORMIDONTOV, V.K.; MESHCHERYAKOV, V.V.; NAUMOV, V.D.; PUGACHEV, A.S.; SOKOLOVA, L.V., tekhnicheskiy redaktor.

[Technology of ship building] Tekhnologiia sudostroeniia. Pod obshchei red. V.K.Dormidontova. Leningrad. Gos. soiuznoe izd-vo sudostroit.promyshl., 1954. 560 p. (MIRA 8:5)
(Shipbuilding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; KARAULOV, A.N., otv.red.; KUSKOVA, A.I., red.; FRUMKIN, P.S., tekhn.red.

[Collection of problems on drawing in shipbuilding] Sbornik zadach po sudostroitel'nomu cherchcniiu. Izd.2., perer. i dop. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 335 p. (MIRA 13:6)

(Naval architecture) (Architectural drawing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, Aleksandr Sergeyevich; MESHCHERYAKOV, V.V., nauchnyy red.; SOSIPATROV, O.A., red.; FRUMKIN, P.S., tekhn. red.

[Shipbuilding drawing]Sudostroitel'noe cherchenie. Izd.2., perer. i dop. Leningrad, Sudpromgiz, 1962. 189 p. (MIRA 15:12)

(Naval architecture) (Ships--Drawing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

NIKONOV, Sergey Nikolayevich; PANKRATOV, Vladimir Petrovich; ADLERSHTEYN, L.TS., inzh., retsenzent; PUGACHEV, A.S., retsenzent; PIS'MENSKOV, V.F., inzh., nauchnyy red.; SOSIPATROV, O.A., red.; KRYAKOVA, D.M., tekhn. red.

[Lay-off man in shipbuilding]Sudovoi razmetchik. Leningrad, Sudprongiz, 1962. 217 p. (MIRA 15:12)
(Laying off (Shipbuilding))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.S.; ABRAMOV, A.Ye., retsenzent; KORKIN, M.S., nauchnyy redaktor, kandidat tekhnicheskikh nauk; DLUGOKANSKAYA, Ye.A., tekhnicheskiy redaktor.

[Collection of problems on shipbuilding drafting] Sbornik zadach po sudostroitel'nomu chercheniiu. Leningrad, Gos. soiuznoe nauchno-tekhn. izd-vo sudostroit. promyshlennosti, 1954. 235 p.[Microfilm] (MIRA 8:2)

(Naval architecture--Problems, exercises, etc.) (Mechanical drawing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.S.; FEDOROV, N.A., otvetstvennyy redaktor; ZHIRMUNSKAYA, I.A., redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

[Layout work in shipbuilding] Sudovye razmetochnye raboty. [Leningrad] Gos. izd-vo sudostroit. lit-ry, 1953. 155 p. [Microfilm] (MLRA 7:10)
(Shipbuilding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUCACH[illegible], A. S.

Sudovye razmetochnye raboty /Layout work in shipbuilding/. Sudpromgiz, 1953. 156 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 12 March 1954.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.S.

[Ship building design] Sudostroitel'noe cherchenie. [Leningrad] Gos. izd-vo sudostroit.lit-ry, 1952. 226 p. (MLRA 6:7)
(Naval architecture)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.S.

[Three-hundred problems in mechanical drawing] 300 zadach-golovolomok po cherchen'iiu. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1960. 127 p. (MIRA 14:11)
(Mechanical drawing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PALATNIK, L.S.; FUKS, M.Ya.; BOYKO, B.T.; PUGACHEV, A.T.

Electronography and X-ray study of the substructure of thin films of nickel and iron condensed in vacuum. Fiz. met. i metalloved 17 no.5:726-731 My '64. (MIRA 17:9)

1. Khar'kovskiy politekhnicheskiy institut imeni Lenina.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

ACCESSION NR: AP4039600 S/0126/64/017/005/0726/0731

AUTHORS: Palatnik, L. S.; Fuks, M. Ya.; Boyko, B. T.; Pugachev, A. T.

TITLE: Electronographic and roentgenographic investigation of substructure of thin nickel and iron films condensed in vacuum

SOURCE: Fizika metallov i metallovedeniye, v. 17, no. 5, 1964, 726-731

TOPIC TAGS: nickel, iron, thin film, vacuum condensation, electronographic analysis, x ray analysis, gold, aluminum, silver, electronograph EG, diffractometer URS 50Im, metal film substructure, elasticity limit

ABSTRACT: Thin nickel and iron films precipitated in vacuum were investigated to compare their structures to those of gold, aluminum, and silver. The samples consisted of metal films 200 Å thick condensed on unheated base plates. These plates were made of glass and of NaCl crystals. Some films were precipitated on thin collodion films. Samples prepared in the above way were analyzed in transient light in the electronograph EG. The x-ray study was performed with a diffractometer URS-50Im. For this purpose, samples consisting of 30 overlying films were prepared.

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ACCESSION NR: AP4039600

The results obtained by these two methods supplemented each other because the x-ray analysis revealed substructural characteristics in the direction perpendicular to the film surface, while the electronographic analysis showed them in the direction parallel to the surface. Average linear size of the block crystals, measured parallel to the surface, was 20-30 Å; it was 80-90 Å in the perpendicular direction. These block crystals had a columnar structure and occurred in a plane-stressed state. The microstress magnitude varied from 200 to 300 $kg \cdot mm^{-2}$. Its origin was explained by the condensation process rather than by the deformation induced during separation of films from their base plates. Large microstresses were regarded as evidence of a high elastic deformation limit in the block crystals. This assumption was sustained by results of a direct load-testing of the film. Orig. art. has: 2 tables, 4 figures, and 1 formula.

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut im. V. I. Lenina (Khar'kov Polytechnic Institute)

SUBMITTED: 24Jun63 DATE ACQ: 19Jun64 ENCL: 00

SUB CODE: MM NO REF SOV: 008 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PALATNIK, L.S.; FUKS, M.Ya.; BOYKO, B.T.; PUGACHEV, A.T.

Electron diffraction study of elastic deformation in thin condensed polycrystalline films of aluminum and silver. Dokl. AN SSSR 151 no.3:556-559 Jl '63. (MIRA 16:9)

1. Predstavleno akademikom S.A.Vekshinskim.
(Metallic films--Elastic properties)
(Electron diffraction examination)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

L 14356-63 EWT(l)/EWP(q)/EWT(m)/BDS AFFTC/ASD/ESD-3 JD/IJP(C)

ACCESSION NR: AP3003850 S/0020/63/151/003/0556/0559

AUTHORS: Palatnik, L. S.; Fuks, M. Ya.; Boyko, B. T.; Pugachev, A. T. 63

TITLE: Electron-diffraction studies of elastic deformation in thin, polycrystalline deposited films of aluminum and silver

SOURCE: AN SSSR. Doklady*, v. 151, no. 3, 1963, 556-559

TOPIC TAGS: electron diffraction, elastic deformation of metal, condensed thin metal film, aluminum, silver

ABSTRACT: Macroscopic deformation in polycrystalline films depends not only on the structure and properites of the crystals forming the film but also on their interaction and on the boundary structure. Electron-diffraction permits the determination of elastic deformations of the crystalline lattice by measurement the interplanar distances. The deformation limit depends on interatomic interactions and on the degree of perfection of the crystals themselves - the regions of coherent electron diffraction (r.c.e.d.). A method of r.c.e.d. has been developed by the authors. Films were formed on glass plates covered by powdered NaCl, by evaporation and condensation of pure metals removed in water and caught on a metal slit 0.1mm wide. The deformation of the lattice in two perpendicular

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

L 14356-63
ACCESSION NR: AP3003850

directions is given in 2 figures for aluminum and silver. The results indicate high degree of perfection of crystals grown from individual nuclei. Their strength approaches the theoretical one. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 04May63 DATE ACQ: 15Aug63 ENCL: 00

SUB CODE: PH NO REF SOV: 005 OTHER: 005

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

L 23111-66 EWT(m)/EWP(t) IJP(c) JD/HW

ACC NR: AP6009486 UR/0020/66/167/001/0077/0079

AUTHOR: Palatnik, L.S.; Boyko, B.T.; Fuks, M.Ya.; Pugachev, A.T.

ORG: Kharkov Polytechnic Institute im. V.I.Lenin (Khar'kovskiy politekhnicheskiy institut)

TITLE: Elastic anisotropy of polycrystalline condensed films

SOURCE: AN SSSR. Doklady, v.167, no.1, 1966, 77-79

TOPIC TAGS: polycrystalline film, crystal anisotropy

ABSTRACT: The article describes electronographic studies of the deformation of thin polycrystalline films of aluminu, silver, and nickel, with thicknesses of 400-500 Å, condensed in a vacuum of 5 x 10-5 torr, at different temperatures of the support. The rate of condensation was 20-40 Å/sec. The films, separated from the support, were transferred to a plate with a slit and were put into the electronograph by means of a special device. Results of examination showed that, for thin polycrystalline vacuum condensates of the elastically anisotropic metals silver and nickel, the elastic anisotropy of the individual crystals was preserved, although not to the degree that might be expected for complete isotropy of the stress field, such as for example, for isolated mono-

Card 1/2 UDC: 539.4.015 + 539.23 + 539.27

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L 23111-66
ACC NR: AP6009486

crystals. For aluminum films with a weakly marded elastic anisotropy, anisotropic elastic deformations of the lattice were not observed electronographically. In nickel films, condensed at a temperature of 65°, the average size of the crystal blocks, observed by diffraction expansion, was 30 Å. Even with such a dispersed structure the elastic anisotropy of the individual blocks was preserved, but there was observed a tendency for it to become weaker in comparison with coarse grained films. Orig. art. has: 1 formula and 3 figures.

SUB CODE: 20/ SUBM DATE: 06Dec65/ ORIG REF: 006/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.V., inzh.; BASHKOV, V.A., inzh.; YAMPOL'SKIY, A.M., inzh.; Prinimali uchastiye: SHIRINKIN, Ye.N., inzh.; BARASH, L.I., inzh.; STROKOV, I.N., inzh.

Continuous control of sintering by gamma rays. Stal' 23 no.3: 195-197 Mr '63. (MIRA 16:5)
(Sintering) (Gamma rays--Industrial applications)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

L 19395-66

ACC NR: AT5028944 (A) SOURCE CODE: UR/0000/63/000/000/0189/0192

23

AUTHOR: Pugachev, A. V.

B+1

ORG: none

TITLE: Transducers for the measurement of ionization currents

SOURCE: Vsesoyuznyy seminar po primeneniyu radioaktivnykh izotopov i izmeritel'noy tekhnike i priborostroyenii. Frunze, 1961. Radioizotopnyye metody avtomaticheskogo kontrolya (Radioisotope methods of automatic control); trudy rasshirennogo soveshchaniya, v. 1. Frunze, Izd-vo AN KirgSSR, 1963, 189-192

TOPIC TAGS: ionization chamber, gamma detector, capacitor

ABSTRACT: Three simple electronic circuits for ionization chambers are presented. Existing ionization chambers used as gamma-ray detectors employ complex amplification systems which restrict their application. The circuits are all electronic and employ vacuum tubes and neon lamps to transform small ionization currents detected in a special measuring capacitor into pulse trains, where the pulse repetition frequency is proportional to the magnitude of the input current. All three circuits integrate the measured current by means of a capacitor. When the integral

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L 19395-66
ACC NR: AT5028944

reaches a threshold, a monostable circuit is triggered which then emits a pulse and discharges the integrating capacitor. The larger the current, the faster the monostable circuit cycles. A minimum counting frequency of 10-15 pulses/min is given and the maximum pulse rate is stated to be near 1000 pulses per min. Current sensitivity is not given. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 21Mar63/ ORIG REF: 000/ OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

PUGACHEV, A.V.; BERMAN, I.S.

Ways of automating the sintering process. Metallurg 9 no.3:3-5 Mr '64. (MIRA 17:3)

1. Novotul'skiy metallurgicheskiy zavod.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343530005-7

S/137/61/000/012/009/149
A006/A101

AUTHOR: Pugachev, A.V.

TITLE: Controlling the caking of sinter with the aid of radioactive isotopes

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1961, 14, abstract 12V99 (V sb. "Radioakt. izotopy i yadern. izlucheniya v nar. kh-ve SSSR, v. 3", Moscow, Gostoptekhizdat, 1961, 193 - 195)

TEXT: Unsatisfactory results were obtained with the use of counter tubes to measure the intensity of gamma-rays passed through a raw charge and caked sinter. The tubes were employed under production conditions at high surrounding temperatures and strong vibrations and shocks during the operation of sintering machines. Stainless-steel ionization chambers were manufactured and tested. Various gamma-radiation sources were experimentally investigated. It was established that Cs^{137} was the most suitable source. The existing means of maintaining a constant height of the charge layer assure its sufficiently stable level and exclude an effect of changes in the height on the readings of the devices. The block-diagram of an experimental equipment controlling the caking of sinter

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S/137/61/000/012/009/149
Controlling the caking of sinter ... A006/A101

is described. A continuous control will bring about automatic regulation of the operational speed of the sintering machine, depending on the degree of caking of the sinter; this may yield a high economical effect.

A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

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16.4600

S/044/61/000/011/033/039
C111/C444

AUTHOR: Pugachev, B. M.

TITLE: On the question of convergence speed of the method of normal secants

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1961, 75, abstract 11B411. (Tr. Seminara po funkts. analizu. Rostovsk.- n/D. un-t Voronezhsk. un-t, 1960, vyp. 3-4, 77-80)

TEXT: V. N. Kostarchuk (RZh Mat, 1955, 4709) proposed a new method for the approximative determination of the eigenelement which corresponds to the largest eigenvalue of a self-adjoint operator. He also determined the asymptotic estimation for the convergence speed of his method. In the referred paper one estimates the diminuation of the error of the method in every step.

[Abstracter's note: Complete translation.]

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